

Fujitsu recommends Windows 7.

# Data Sheet

## Fujitsu ESPRIMO P900 premium selection Desktop PC

First Class Computing

The Fujitsu ESPRIMO P900 premium selection micro-tower provides you high-end PC performance with 2nd gen Intel® Core™ i5 vPro™ processing, NVIDIA® GeForce® graphics, and lots of RAM. Get working fast with the Fujitsu Premium Suite software package. The 92% efficient power supply will reduce your energy bills. Ergonomic working is ensured thanks to the DisplayPort to DVI cable for easy working on a second monitor and an elegant spill-resistant keyboard with stylish mouse.

### Microtower

Maximum performance and optimal extendability

- Top-quality, high-value microtower, 7 drive bays, 4 PCI/PCI express interfaces
- Elegant spill-resistant KB900 keyboard and stylish GL9000 laser mouse

### Environmentally conscious product with ENERGY STAR® certification

Your contribution to environmental protection.

- Halogen-free printed circuit of mainboard and power supply, sophisticated product concept for the entire lifecycle

### Highest energy efficiency coupled with intelligent performance

Low power consumption combined with top performance

- State-of-the-art Intel® Core™ processors with Turbo Boost and hyperthreading technology, a switched monitor outlet and a power supply with up to 92% efficiency

### System management

Simple system administration for complex IT infrastructures

- Intel® vPro™ technology

### Quiet

Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized cooling concept



# Components

<b>Processor</b>	Intel® Core™ i5-2500 processor (4 Cores / 4 Threads, 3.30 GHz, 6 MB, Intel® HD Graphics 2000)
<b>Operating system</b>	Genuine Windows® 7 Professional 64-bit
<b>Operating system compatible</b>	openSUSE Linux Genuine Windows Vista® Genuine Windows® XP
<b>Operating system notes</b>	Buy Microsoft® Office 2010 to use the full-featured Office software on this PC. Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via <a href="http://support.ts.fujitsu.com">http://support.ts.fujitsu.com</a>
<b>Memory modules</b>	4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1333 MHz, PC3-10600, DIMM
<b>Hard disk drives (internal)</b>	SATA III, 7200 rpm, 1000 GB, 3.5-inch
<b>Graphics add on cards</b>	NVIDIA® GeForce® GT 420
<b>Drives</b>	DVD Super Multi MultiCard Reader 20in1 USB 3.0 front con., 3.5-Inch
<b>Interface add on cards/components (optional)</b>	USB 3.0 PCIe x1 Gigabit Ethernet PCIe x1, DS eSATA Interface
<b>Base unit</b>	ESPRIMO P900 E90+
<b>Mainboard</b>	
<b>Mainboard type</b>	D3062
<b>Formfactor</b>	ATX
<b>Chipset</b>	Intel® Q67
<b>Processor socket</b>	LGA 1155
<b>Processor quantity maximum</b>	1
<b>Memory slots</b>	4 DIMM (DDR3)
<b>Supported capacity RAM (max.)</b>	32 GB
<b>Memory frequency</b>	1333 MHz
<b>Memory notes</b>	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same. > 16 GB support with future memory modules
<b>LAN</b>	10/100/1000 MBit/s Intel® 82579 LM
<b>BIOS version</b>	AMI Aptio 4.6
<b>BIOS features</b>	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
<b>Audio codec</b>	Conexant CX20642
<b>Audio features</b>	Internal speaker supports audio playback, High Definition audio, 5.1 surround sound
<b>I/O controller on board</b>	
<b>Serial ATA total</b>	6
<b>thereof SATA III</b>	2
<b>thereof eSATA</b>	2 (optional)

**I/O controller on board**

Controller functions	Serial ATA II (3 Gbit)
	Serial ATA III (6 Gbit)
	NCQ
	AHCI
	Raid 1/0

**Interfaces**

Audio: line-in	1
Audio: line-in / microphone	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	14
USB 3.0 total	optional
USB front	4
USB rear	8
USB internal	2
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Serial (RS-232)	1 (9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	1 (optional) (25pin with EPP and ECP)
eSATA	1 (optional)
Interface Module notes	Anytime USB charge functionality

**Input device / components**

Input devices (optional)	Optical USB tilt wheel mouse
	Optical USB/PS2 tilt wheel mouse
	KBPC PX ECO
	Mouse M440 ECO

**Drive bays**

Drive bays total	7
2.5-inch internal bays	1
3.5-inch internal bays	2
3.5-inch external bays	2
5.25-inch external bays	2

**Slots**

PCI-Express 2.0 x16	1 x (312 mm) full height
PCI-Express 2.0 x4 (mech. x16)	1 x (312 mm) full height
PCI-Express x1	1 x (312 mm) full height
PCI (32-bit / 33 MHz)	1 x (170 mm) full height

**Graphics on board**

Graphics brand name	Intel® HD Graphics or HD Graphics 2000 (depending on CPU)
Shared video memory	up to 1759 MB

**Graphics on board**

<b>TFT resolution (VGA)</b>	1024 x 768 pixel
	1280 x 1024 pixel
	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1600 x 1200 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
<b>TFT resolution (DVI)</b>	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
<b>TFT resolution (DisplayPort)</b>	1360 x 768 pixel
	1440 x 900 pixel
	1600 x 900 pixel
	1680 x 1050 pixel
	1920 x 1080 pixel
	1920 x 1200 pixel
	2560 x 1440 pixel
	2560 x 1600 pixel
<b>Graphics features</b>	Dual display support
	DirectX 10.1
	HDCP support
	OpenGL® 2.1
	For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)
<b>Graphics notes</b>	Tested resolutions, depending on display type additional resolutions and frequencies possible
	Shared memory depending on main memory size and operating system
	Resolution (color depth up to 32 Bit/pixel)
	For TFT we recommend using 60Hz

**Electrical values**

<b>Power efficiency note</b>	power supply efficiency (at 230V; 20% / 50% / 100% load) : 88% / 92% / 91%
<b>Rated voltage range</b>	100 V - 240 V
<b>Rated frequency range</b>	50 Hz - 60 Hz
<b>Operating voltage range</b>	90 V - 264 V
<b>Operating line frequency range</b>	47 Hz - 63 Hz
<b>Max. output of single power supply</b>	280 W
<b>Power factor correction/active power</b>	active
<b>Monitor outlet</b>	Switched

**Power consumption**

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=97001b4f-3df1-4981-8d8a-e863472c4769">http://docs.ts.fujitsu.com/dl.aspx?id=97001b4f-3df1-4981-8d8a-e863472c4769</a>

**Heat dissipation**

<b>Heat dissipation notes</b>	See white paper Energy Consumption
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**Noise for standard configuration (HDD, ODD, FDD)**

<b>Noise emission</b>	According to ISO9296
<b>Related Processors for noise</b>	Intel® Core™ i5 2400
<b>Noise Operation mode 1: ODD load (Blue angel requirement)</b>	4.0 B/ 26 dB(A)
<b>Noise Operation mode 2: HDD load (Blue angel requirement)</b>	3.5 B/ 20 dB(A)

**Noise for standard configuration (HDD, ODD, FDD)**

Noise Operation mode 3: CPU 90% load (Blue angel requirement)	3.5 B/ 20 dB(A)
Noise Operation mode 4: High load	3.6 B/ 21 dB(A)
Idle mode (Blue Angel requirement)	3.4 B/ 19 dB(A)
Noise notes / description	A weighted sound power level L <sub>wad</sub> (in B) / workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), Bystander position

**Dimensions / Weight / Environmental**

Dimensions (W x D x H)	175 x 419 x 395 mm
Operating position	Vertical
Weight	approx. 11 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35C

**Compliance**

Product	ESPRIMO P900
Model	MI5W-3062
Germany	TÜV GS
Europe	CE Nordic Swan
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® EPEAT® Gold (dedicated regions)
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

**Additional Software**

Additional software (preinstalled)	Nero 9 Essentials XL Premium Suite DVD Fujitsu Recovery (Hard Disk Based Recovery) Norton Internet Security (incl. Firewall) 60 days version Microsoft® Office Starter: reduced-functionality Word and Excel® only, with advertising. No PowerPoint® or Outlook®. Buy Office 2010 to use the full-featured software.
Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics)

**Miscellaneous**

	Keyboard on (Special Fujitsu keyboard required) Thermal management Extended lifetime
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**Compatibility (references)**

	DMI 2.0 PC 2001 WMI 1.5 USB 2.0 SMBIOS
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**Manageability**

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) iAMT 7.0
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**Manageability**

<b>Manageability software</b>	DeskView 10.x client management including:
<b>DeskView components</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a> <a href="http://www.altiris.com/fujitsu">http://www.altiris.com/fujitsu</a>

**Security**

<b>System protection</b>	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
<b>Audit proof protection</b>	EraseDisk (optional) Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Control of external interfaces
<b>Access protection</b>	User and supervisor BIOS password Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader

**Serviceability**

EasyFix  
EasyChange for HDD  
EasyChange for optical drives

**Packaging information**

<b>Packaging dimension</b>	516x278x562 mm
<b>Max. quantity / pallet</b>	24
<b>Material - Weight (g) Carton</b>	1405 g
<b>Material - Weight (g) EPS / PS</b>	160 g
<b>Material - Weight (g) PE</b>	appr. 60 g
<b>Packaging notes</b>	printed user documentation is bleached in chlorine free process

**Warranty**

<b>Standard Warranty</b>	3 years
<b>Service level</b>	Bring-In / On-Site Service (depending on country)

**Maintenance and Support Services - the perfect extension**

<b>Recommended Service</b>	5x9, Response Time: Next Business Day
<b>Spare Parts availability</b>	5 years
<b>Service Weblink</b>	<a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a>



# More information

## Fujitsu platform solutions

In addition to Fujitsu ESPRIMO P900 E90+, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu ESPRIMO P900 E90+, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/ESPRIMO>

## Fujitsu green policy innovation

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



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